



**EL NINO**  
VENTURES INC.

TSX.V: ELN OTCQX: ELNOF FSE: E7QN

www.elninoventures.com

# Zinc-Lead-Copper Exploration & Development Company

Spring 2016



El Nino Ventures Inc. is a Vancouver-based junior exploration and development company currently focused on development of the Murray Brook Zn-Pb-Cu-Ag project in the proven Bathurst Mining Camp, New Brunswick, Canada

## Share Structure

Share Price	\$0.005
Shares Outstanding	37,120,085
Warrants	
Options	3,022,334
Fully Diluted	40,142,419
52 Week Range	\$0.005 - \$0.03

## Management & Technical

**Harry Barr**, Chairman & CEO

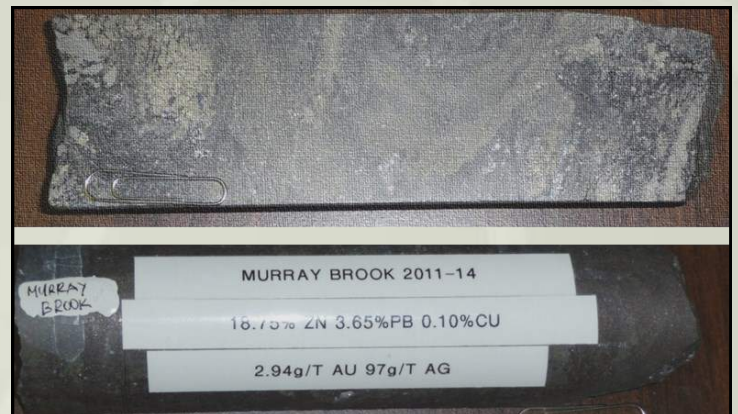
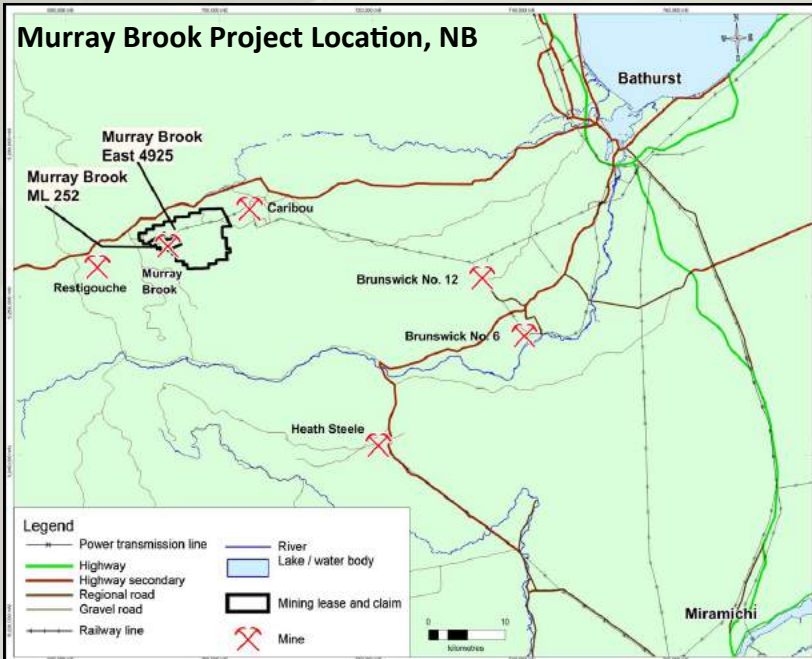
**Jay Oness**, COO & Director

**Robert Guanzon**, CFO

**Tina Whyte**, Corporate Secretary

**Bill Stone**, Principal Consulting Geologist

## Murray Brook Project Location, NB



Drill core assay results for **Murray Brook** indicate presence of mineralized sub-domains grading greater than **10% Zn** and some with greater than **1% Cu**

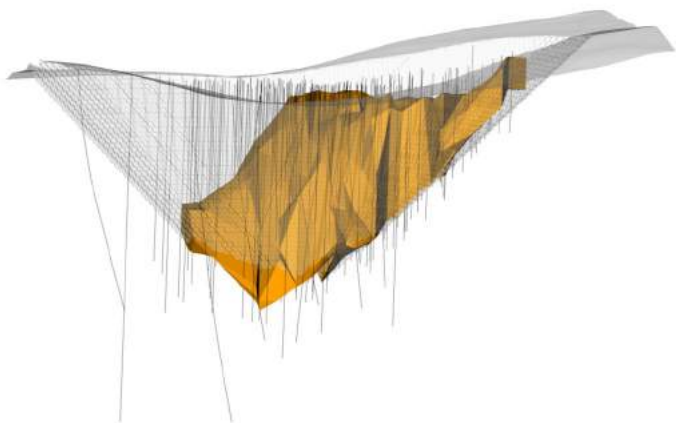
## Murray Brook Joint Venture Project (Zinc-Lead-Silver-Copper), Bathurst, NB

- El Nino (33%) partnered with Votorantim Metais (67%) in exploration and development of Murray Brook
- Votorantim Metais one of Latin America's largest privately owned companies; based in Brazil
- **Positive Preliminary Economic Assessment** of Murray Brook completed 2013
- Under evaluation for possible development potential as **open pit mine**
- Large **near-surface sulphide resource** with **road access** and **power**; **site partly cleared**
- Located 60 km west of the city of Bathurst
- West adjacent to **Trevalli Mining Corp.**'s operating Caribou Mine and Mill complex
- Drill ready **exploration targets**

### Summary of PEA Results

PEA*	C \$	Highlights	(mm = millions, t = tonne)		
NPV (5%)	\$ 96.4 mm	Mining Cost	\$ 2.3 / t material		
NPV (7%)	\$ 59.7 mm	Processing Cost	\$ 14.25 / t ore		
IRR	11.40%	G & A	\$ 2.5 mm / year		
Payback	5.4 Years	Total Initial Project Capital	\$ 261 mm		
Total LOM Capital	\$ 334.8 mm	Total Sustaining Capital	\$ 74 mm		
Life of mine (LOM)	9.5 years	Total Capital	\$ 335 mm		
Metal	Zn / lb	Cu / lb	Pb / lb	Ag / oz	Au / oz
Price US \$	0.94	3.70	1.00	30.09	1,540
* 3 year trailing average, exchange rate US \$ 1 = C \$ 1					
Life of Mine cash Flow (Millions C \$)					
Revenues from Con, C \$	Operating Cost (\$28/t) C \$	Royalties C \$	Taxes C \$	Capital Spending, C \$	Cash Flow C \$
\$1,246	\$518	\$3,115	\$161	\$334	\$228

Murray Brook Open Pit Shell and Mineralization Wireframe Model



Orthogonal view looking southeast 1:10,000 scale image

Maximum depth of mineralization about 250m below surface

MURRAY BROOK IN-PIT MINERAL RESOURCE ESTIMATE AT C\$21/T NSR CUT-OFF <sup>(1-3)</sup> FROM PEA												
Zone	Category	Tonnes	Cu %	Cu M lb	Pb %	Pb M lb	Zn %	Zn M lb	Au g/t	Au K oz	Ag g/t	Ag M oz
Oxide	Measured	981,000	0.90	19.5	0.89	19.2	2.73	59.0	0.33	10.5	39.8	1.3
	Indicated	302,000	1.02	6.8	0.69	4.6	2.05	13.7	0.54	5.3	33.9	0.3
	M+I	<b>1,283,000</b>	<b>0.93</b>	<b>26.3</b>	<b>0.84</b>	<b>23.8</b>	<b>2.57</b>	<b>72.7</b>	<b>0.38</b>	<b>15.8</b>	<b>38.4</b>	<b>1.6</b>
	Inferred	4,000	3.69	0.3	0.17	0.0	0.57	0.1	0.43	0.1	25.4	0.0
Sulphide	Measured	11,306,000	0.40	100.7	1.04	258.3	2.97	741.2	0.50	182.7	42.5	15.4
	Indicated	6,578,000	0.57	82.9	0.91	131.6	2.32	336.8	0.74	155.5	40.3	8.5
	M+I	<b>17,884,000</b>	<b>0.47</b>	<b>183.6</b>	<b>0.99</b>	<b>389.9</b>	<b>2.73</b>	<b>1,078.1</b>	<b>0.59</b>	<b>338.2</b>	<b>41.7</b>	<b>23.9</b>
	Inferred	284,000	1.57	9.8	0.50	3.1	1.36	8.5	0.47	4.3	28.7	0.3
Note:	M lb	millions of pounds		K oz	thousands of ounces		M oz	millions of ounces				